

SAFETY DATA SHEET

International Compound #2

SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: INTERNATIONAL COMPOUND #2
 Chemical Formula: Mixture
 CAS Number: None
 Other Designation: IC #2 or IRMCO 970-000
 General Use: This product is a petroleum-based, metalworking lubricant.

Details of Supplier/Manufacturer

Company: Penske Australia Pty Ltd
 Address: 488 Blackshaws Road, Altona North, Victoria 3025
 Phone: (03) 9243 9292
 Fax: (03) 9243 9271
 Website: www.penske.com.au

Emergency Telephone Numbers

All Hours: 1800 625 526
 Poisons Information:
 Australia: 13 11 26
 New Zealand: 0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

Ingredient Name	CAS Number	% wt
Whiting (Gilders)	1317-65-3	40-50
Barre Degras	8020-84-6	10-20
(Yellow) Protopet 2A	8009-03-8	10-20
Priolene 6933	112-80-1	5-10
Caustic Potash 45%	1310-58-3	1-10
Water	7732-18-5	1-10
Bouquet 5720	proprietary	< 1

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
petrolatum	5 mg/m ³						

SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS

Emergency Overview

Avoid contact with eyes. Prolonged or repeated skin contact causes dryness and may cause irritation and mild dermatitis.

Hazardous Materials Identification System (HMIS):

Health	1
Flammability	0
Reactivity	0
PPE	See Section 8

Potential Health Effects

Primary Entry Routes:

Eye contact, inhalation, ingestion, and skin contact.

Target Organs:

Central nervous system, eyes, respiratory system, and skin.

Acute Effects

Eye: Direct eye contact may cause irritation, redness, and swelling.

Ingestion: Ingestion may cause unpleasant burning sensation in mouth, throat, and stomach.

Ingestion of large quantities may have toxic effects on the liver and kidneys.

Inhalation: Inhalation of excessive mists may cause irritation of the respiratory tract.

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Skin: Prolonged or repeated skin contact causes dryness and may cause irritation and mild dermatitis.

Carcinogenicity:

International Agency for Research on Cancer (IARC), National Toxicology Program (NTP), and Occupational Safety and Health Administration (OSHA) do not list this product as a carcinogen.

Medical Conditions Aggravated by Long-term Exposure:

Skin contact may aggravate existing allergies, dermatitis, or eczema.

Chronic Effects:

None known

SECTION 4 FIRST AID MEASURES

Eye Contact:

Do not allow victim to rub or keep eyes tightly shut. Gently lift eyelids and flush with water immediately and continuously with flooding amount of water until transported to an emergency facility. Consult a physician immediately.

Ingestion:

Never give anything by mouth to an unconscious or convulsing person. Contact a poison control center. Unless the poison control center advises otherwise, have the *conscious and alert* person drink 1 to 2 glasses of water. Do not induce vomiting. **After first aid, get appropriate in-plant, paramedic, or community medical support.**

Inhalation:

Remove exposed person to fresh air. Monitor for respiratory distress. Consult a physician.

Skin Contact:

Quickly remove contaminated clothing. Immediately rinse exposed area with flooding amounts of water. Wash exposed area with soap and water. If irritation persists, consult a physician.

Note to Physicians:

None known

Special Precautions/Procedures:

None known

SECTION 5 FIRE FIGHTING MEASURES

Flash Point: Not determined

Flash Point Method: Not determined

Burning Rate: Not determined

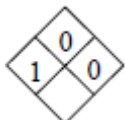
Autoignition Temperature: Not determined

Lower Explosion Limit (LEL): Not determined

Upper Explosion Limit (UEL): Not determined

Flammability Classification: Not determined

National Fire Protection Association (NFPA) Ratings:



Extinguishing Media:

Carbon dioxide, dry chemical, foam, or water fog or fine spray.

Unusual Fire or Explosion Hazards:

Container may rupture if subject to high temperature under pressure.

Hazardous Combustion Products:

During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to: nitrogen oxides, carbon monoxide, and carbon dioxide.

Fire-fighting Instructions:

Keep people away. Isolate fire and deny unnecessary entry. Burning liquids may be moved by flushing with water. Burning liquids may be extinguished by dilution with water.

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Fire-fighting Equipment:

Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective fire fighting clothing including helmet, coat, pants, boots, and gloves. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures:

Clear non-emergency personnel from the area. Contain material to prevent contamination of soil, surface water, and ground water. Absorb with non-combustible material and/or sand. Collect material in suitable and properly labeled open containers. Avoid material such as sawdust or cellulose.

Regulatory Requirements:

Follow applicable Occupational Safety and Health Administration (OSHA) regulations (29 CFR 1910.120).

SECTION 7 HANDLING AND STORAGE

Handling Precautions:

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact. Use only with adequate ventilation. For industrial use only.

Storage Requirements:

Store in closed containers in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use and during transport. Do not store outside as product may freeze.

Regulatory Requirements:

None known. Follow applicable federal, state, and local laws and regulations.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:

None

Ventilation:

Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA Permissible Exposure Limits (PELs) identified in Section 2. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Ventilation guidelines and techniques may be found in publications such as *Industrial Ventilation* (American Conference of Governmental Industrial Hygienists; 6500 Glenway Avenue, Building D-7; Cincinnati, OH 45211-4438).

Administrative Controls:

None

Respiratory Protection:

Atmospheric levels should be maintained below the exposure guidelines identified in Section 2. For most conditions, no respiratory protection should be needed. However, if handling at elevated temperatures *without* sufficient ventilation, use an approved air-purifying respirator.

Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134). If necessary, wear an MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear a self-contained breathing apparatus (SCBA). **Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.** If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment:

Wear chemically protective apron, boots, and gauntlets or gloves to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles per OSHA eye- and face

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protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of or in conjunction with contact lenses.

Safety Stations:

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available to work area.

Contaminated Equipment:

Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes, and clean personal protective equipment.

Comments:

Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, amber
Boiling Point:	Approximately 212oF (100oC)
Density:	8.4-9.2 lb/gal
Evaporation Rate:	Similar to water
Formula Weight:	Not applicable; mixture
Freezing/Melting Point:	Approximately 32oF (0oC)
pH:	8.5-10.5
Physical State:	Liquid
Refractive Index:	Not determined
Solubility in Water:	Completely soluble
Solubility in Other Solvents:	Not identified
Specific Gravity (H2O =1):	1.01-1.11
Surface Tension:	Not determined
Odor and Odor Threshold:	Bland
Vapor Density (air = 1):	Not determined
Vapor Pressure:	Not determined
Viscosity:	Not determined
% Volatile:	None

SECTION 10 STABILITY AND REACTIVITY

Stability:

Product is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization:

Hazardous polymerization will not occur.

Chemical Incompatibilities:

Incompatible with strong oxidizing agents and strong acids. Addition of these will render the product not usable for designed purpose.

Conditions to Avoid:

Avoid high heat unless proper ventilation is provided.

Hazardous Decomposition Products:

Thermal oxidative decomposition of product can produce water vapor (H2O), carbon monoxide (CO), carbon dioxide (CO2), nitrogen oxides, and possibly other unidentified oxides.

SECTION 11 TOXICOLOGICAL INFORMATION

Eye Effects:	No data
Skin Effects:	No data
Acute Inhalation Effects:	No data
Acute Oral Effects:	No data
Chronic Effects:	No data
Carcinogenicity:	No data
Mutagenicity:	No data
Teratogenicity:	No data

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SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: No data
Environmental Fate: No data
Environmental Degradation: No data
Soil Absorption/Mobility: No data

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal:
Contact licensed contractor for detailed recommendations. Follow applicable federal, state, and local laws and regulations.
Disposal Regulatory Requirements:
Not determined
Container Cleaning and Disposal:
Contact licensed contractor for detailed recommendations. Follow applicable federal, state, and local laws and regulations.

SECTION 14 TRANSPORT INFORMATION

Department of Transportation (DOT) Data (49 CFR 172.101)

This product is not regulated by any means of transportation.

Shipping Name: Not applicable
Shipping Symbols: Not applicable
Hazard Class: Not applicable
ID Number: Not applicable
Packing Group: Not applicable
Label: Not applicable
Special Provisions (172.102): Not applicable

SECTION 15 REGULATORY INFORMATION

Federal Regulations

Clean Air Act (CAA):

This product contains no hazardous air pollutants (HAPs). This product does not contain and was not manufactured with a Class I or Class II ozone depleting substance (ODS).

Clean Water Act (CWA):

This product contains no chemicals listed under the U.S. Clean Water Act Priority OSHA Occupational Safety and Health Administration (OSHA) Hazard Communication Standard: This product is a hazardous chemical as defined by the OSHA Hazard Communication Standard (29 CF 1910.1200). It is considered a health hazard due to its ability to act as an irritant and a sensitizer.

Resource Conservation and Recovery Act (RCRA)

This product is not listed/classified as a hazardous waste.

Superfund Amendments and Reauthorization Act (SARA) of 1986 Title III, also known as the

Emergency Planning and Community Right-to-Know Act (EPCRA):

Section 311: This product is a hazardous chemical as defined by OSHA. This product does not contain any Extremely Hazardous Substances (EHS).

Section 312: This product is a hazardous chemical as defined by OSHA. This product does not contain any Extremely Hazardous Substances (EHS).

Section 313: This product does not contain any toxic chemicals, appearing on the Section 313 Toxic Chemical List, in quantities above the *de minimis* concentration.

Toxic Substances Control Act (TSCA):

All ingredients are on the TSCA Chemical Substance Inventory or are not required to be listed on the TSCA Inventory.

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State Regulations

California Proposition 65:

This product contains no listed substances known to the State of California to cause cancer, birth defects, or other reproductive harm at levels which would require a warning under the statute.

Massachusetts Right-to-Know:

See Section 2.

Pennsylvania:

See Section 2.

SECTION 16 OTHER INFORMATION

Prepared by: V. Don Angspatt
Revision Notes: New format and new information contained in this document (November 6, 1998).
Previous Revision: Additions (four items) to Glossary (August 10, 1998). Additions to Sections 3, 6, and 8 (July 14, 1998). Additions to Section 5 and Glossary (June 19, 1998). New format and new information contained in this document. All sections revised (May 1, 1998).
Disclaimer: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind—expressed or implied—is made with respect to the information contained herein. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists
ASTM	American Society for Testing Materials
CAS	Chemical Abstracts Service
CFR	Code of Federal Regulations
EC ₅₀	(50%) Effective Concentration
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IDLH	Immediately Dangerous to Life or Health
LC ₅₀	(50%) Lethal Concentration
MSHA	Mine Safety and Health Administration
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
n.o.s.	Not Otherwise Specified
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PMCC	Pensky-Martens Closed Cup; ASTM D 93
PPE	Personal Protective Equipment
REL	Recommended Exposure Limit
SETA	Setaflash Closed Cup; ASTM D 3278
STEL	Short-term Exposure Limit
TCC	Tagliabue Closed Cup; ASTM D 56
TLV	Threshold Limit Value
TWA	Time-weighted Average